

We claim:

1. A hands-free wall mounted bottle holder apparatus, for mounting a bottle that comprises: a body, a neck and a head to a flat solid surface,

comprises:

a base, for connecting the apparatus to the flat solid surface; and

a tongue, that has a root and a free far end, and the tongue's root is connected to the base,

comprises:

a bottle brace, that starts from the tongue's root, and

a neck holder, for holding the bottle's neck securely in a locking point, with a first edge connects to the bottle brace at a base angle of about 90 to 120 degree angle, and a second edge, which is the tongue's free far end, remains unattached; and

a fastening device, for pulling and holding the bottle's body toward the bottle brace and locking the bottle in the locking point; and

wherein the neck holder has an open slot at the second edge, extending toward the bottle brace at a width slightly larger than the width of the bottle's neck until the locking point, located at a distance of about half of the bottle's body width from the bottle brace, where the open slot width narrows down to less than the width of the bottle's neck, creating two landing points, and the open slot extends toward the bottle brace an additional distance of about half the width of the bottle's neck; and

wherein the locking point is created by adjusting the base angle and the distance between the landing points such that when the bottle's neck is inserted upside down into the open slot and reaches the landing points, and the bottle's body is pulled toward the bottle brace by the fastening device, the following conditions exist:

- the bottle's body touches the two landing points and turns on a pivot line that connects the two landing points,
- the bottle's head touches the neck holder, and
- the bottle's body has a gap of about 0.5 to 20 millimeters from the bottle brace;

and

a mounting device that connects the base to the flat solid surface such that the bottle's head, at the locking point, is oriented forward and downward 1 to 60 degrees relative to a vertical line, preferable 30 degrees, and tilts relative to the vertical line from 60 degrees to the left to 60 degrees to the right, based on ergonomic preferences of a user.

2. An apparatus as in claims 1, where the base further comprises:
  - a vertical base section for connecting the apparatus to a flat vertical solid surface; and
  - a horizontal base section for connecting the apparatus to a flat horizontal surface and the horizontal base section is connected at an angle of about 70 to 90 degrees, preferably 90, to the vertical base.
3. An apparatus as in claims 1, where the fastening device further comprises:
  - a set of 1 to 5 rubber band rings encompassing the bottle brace and the bottle's body that pulls the bottle's body to the bottle brace.
4. An apparatus as in claims 3, where the fastening device further comprises:
  - a set of 1 to 5 rubber band rings encompassing the bottle brace and the bottle's neck that pulls the bottle's neck to the bottle brace, for added security.
5. An apparatus as in claims 1, where the fastening device further comprises:
  - a blob of reusable adhesive patty spread at a width of about 0.1 to 1 centimeter on the front surface of the bottle brace along the centerline of the bottle brace in front of the bottle's body, and the blob of reusable adhesive fills the gap, and when the bottle's body is pressed into the blob of reusable adhesive the bottle is attached to the bottle brace.
6. An apparatus as in claim 1, where the mounting device further comprises:
  - a set of two velcro material sheets with a glue on the back of each velcro sheet, and
  - the glue side of a first velcro sheet is attached to the base, and
  - a second velcro sheet further comprises:
    - a short velcro strip of about 2 centimeters wide and length of about the strip's width, and
    - a long velcro strip of about 2 centimeters wide and length of about the strip's length; wherein the glue side of the short velcro strip is attached to the flat solid surface and the glue side of the long velcro strip is attached to the flat solid surface parallel to the short velcro strip at a distance of about 0.25 to 0.75 of the strip's length.

7. An apparatus as in claim 1, where the mounting device further comprises:  
a reusable adhesive material for attaching the base to the flat solid surface.
8. An apparatus as in claim 7, where the mounting device further comprises:  
an anchor unit uses the reusable adhesive material, for securing the apparatus to the solid surface; and  
a flexible attachment device connects the anchor to the bottle brace.
9. An apparatus as in claim 8, where the flexible attachment device is a string or a chain.
10. An apparatus as in claim 1, in case the bottle's neck length is smaller than the thickness of the neck holder, the neck holder further comprises:  
a groove all around the open slot that reduces the thickness of the neck holder, enabling the bottle neck to travel along the open slot to the locking point.
11. An apparatus as in claim 1, in case there are two bottles and the bottle's neck length of a larger bottle is larger than the thickness of the neck holder, the neck holder further comprises:  
an angle bend along the pivot line in the neck holder such that bottle's body is touching the neck holder before the angle bend and the bottle's head is touching the neck holder after the angle bend to create the locking point.
12. An apparatus as in claim 11, in case there are two bottles and the angle bend of a larger bottle creates an interference with the locking point of a smaller bottle, the neck holder further comprises:  
a partial groove on the rear of the neck holder such that the interference created by the larger bottle angle bend is removed by the partial groove and the neck holder surface around the locking point of the smaller bottle exists as if the angle bend of the larger bottle was not present.